

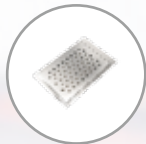
INTELLIGENT TERMINAL



Piezo Haptic
Actuator



Haptic Feedback
Actuator



Multilayer
Ceramic Speaker



Multilayer Ceramic
Actuator



Blood Pressure
Transducer



PZT Bone
Conduction Vibrator



INTELLIGENT TERMINAL

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Piezo Haptic Actuator

Features

- Advanced seamless design
- Longer life, better experience

Applications

- Phone/tablet side touch control



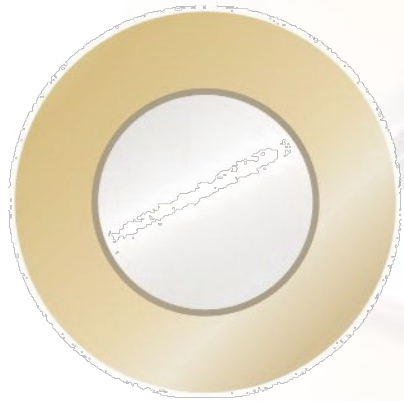
Haptic Feedback Actuator

Features

- High reliability
- High sensitivity
- Piezoelectric touch technology, comfortable experience

Applications

- Virtual key feedback
- Switch tactile feedback



Model	HY0053-001	HY0066	HY0087	HY0099	HY0103
Resonant frequency (Khz)	100K~1M composite oscillator	/	/	/	/
Static capacitance (pF)	Electrode A: 460 Electrode B: 160	385	1250	60	120
Electrode technology	Silver plated	Gold plated	Silver plated	Gold plated	Nickel plating
Dimensions (mm)	5.9×2.5×0.3	5.9×1.5×0.3	10×3×0.3	2.5×0.5×0.3	2.5×1×0.3

Model	PP0873	HY0097
Appearance		
Resonant frequency (KHz)	6.5±1	25±1
Static capacitance (pF)	6000	49000
Electrode technology	A single layer	A single layer
Dimensions (mm)	φ 16×0.26	50×8×0.18

Piezo Haptic Actuator

Features

- The acoustic design is simple and can be installed in a narrower and flat space
- Milliwatt power consumption and high conversion efficiency make the product more widely used

Applications

- Phone/tablet screen sound



Multilayer Ceramic Actuator

Features

- High reliability
- Good consistency

Applications

- Laptop/tablet touch feedback



Model	MT0006
Appearance	
S.P.L (dB)	80
Static capacitance (nF)	1200±30%
Resonant Frequency range (Hz)	300~20000
Max. input voltage (Vp-p)	16
Dimensions (mm)	30×20×2.2

Model	ML0020	ML0021
Resonant frequency (KHz)	43±1	43±1
Static capacitance (pF)	650	450
Electrode structure	Multilayer Ceramic	Multilayer Ceramic
Dimensions (mm)	35×2.4×1	35×3×0.5

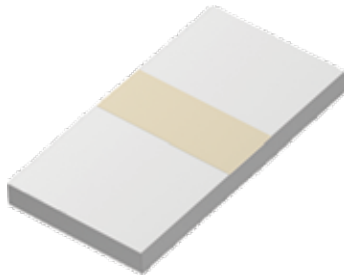
Blood Pressure Transducer

Features

- High reliability
- Good consistency

Applications

- Blood pressure monitoring



Model	HY0088
Appearance	
Resonant Frequency (MHz)	7.5
Static capacitance (nF)	450±10%
Loss (%)	<3
Dimensions (mm)	1×1.5×0.25

PZT Bone Conduction Vibrator

Features

- Small size
- High vibration sensitivity
- Wide frequency range

Applications

- Bone conduction headset



Model	HX0001
Appearance	
Loss (%)	<4
Static capacitance (pF)	95±20%
Operating temperature (°C)	-40~+85
Dimensions (mm)	4.85×0.5×0.5

Lineup

Model	Appearance	Side touch for phone/tablet	Laptop/tablet press touch feedback	Phone/tablet screen sound			Phone/tablet lens	Blood pressure monitoring	Bone conduction earphone
Pressure Touch Actuator		■							
Haptic Feedback Actuator		■							
Multilayer Ceramic Speaker				■					
Multilayer Ceramic Actuator			■				■		
Blood Pressure Transducer								■	
Bone Conduction Vibrator									■